

INTERNATIONAL SEARCH REPORT

GB2004/003387

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B01J13/00 B01J13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 531 925 A (LANDH TOMAS ET AL) 2 July 1996 (1996-07-02) cited in the application column 10, line 66 - column 11, line 9; claims 1-35	1-35
X	WO 99/12640 A (ANDERSON DAVID M ; SELECT RELEASE L C (US)) 18 March 1999 (1999-03-18) page 36, line 22 - page 36, line 23 page 43, line 27 - page 44, line 3; claims 1,3,5; examples 8,26-28,35	1-35
X	US 6 066 328 A (SIMONNET JEAN-THIERRY ET AL) 23 May 2000 (2000-05-23) claims 1-31; example 3	1-35
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

1 November 2004

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09/11/2004

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INTERNATIONAL SEARCH REPORT

GB2004/003387

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 055 228 A (HANDJANI ROSE-MARIE J ET AL) 8 October 1991 (1991-10-08) claims 1-20; example 1 -----	1-35
X	GB 1 539 625 A (OREAL) 31 January 1979 (1979-01-31) page 3, line 60 - page 4, line 100; claims 1-36; examples 17-19 -----	1-35

INTERNATIONAL SEARCH REPORT

Information on patent family members

GB2004/003387

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5531925	A	02-07-1996	WO 9306921 A1	15-04-1993
			BR 9206593 A	28-11-1995
			CA 2120359 A1	15-04-1993
			DE 69229640 D1	26-08-1999
			DE 69229640 T2	16-12-1999
			EP 0643620 A1	22-03-1995
			FI 941538 A	31-05-1994
			JP 7502197 T	09-03-1995
			NO 941191 A	01-06-1994
			AT 182278 T	15-08-1999
			AU 2699892 A	03-05-1993
			ES 2133391 T3	16-09-1999
WO 9912640	A	18-03-1999	AT 246039 T	15-08-2003
			AU 747252 B2	09-05-2002
			AU 9661498 A	29-03-1999
			CA 2271683 A1	18-03-1999
			CN 1138591 C	18-02-2004
			DE 69816778 D1	04-09-2003
			DE 69816778 T2	15-04-2004
			DK 942780 T3	27-10-2003
			EP 0942780 A1	22-09-1999
			ES 2202901 T3	01-04-2004
			HU 0001546 A2	28-07-2000
			IL 129848 A	10-04-2003
			JP 2001506541 T	22-05-2001
			NZ 335676 A	30-03-2001
			PL 333331 A1	06-12-1999
			PT 942780 T	28-11-2003
			TR 9901008 T1	21-02-2000
			WO 9912640 A1	18-03-1999
			US 6482517 B1	19-11-2002
			US 2004201117 A1	14-10-2004
US 6066328	A	23-05-2000	FR 2725369 A1	12-04-1996
			AT 144409 T	15-11-1996
			BR 9504781 A	15-10-1996
			CA 2160071 A1	08-04-1996
			DE 69500077 D1	28-11-1996
			DE 69500077 T2	20-02-1997
			EP 0705593 A1	10-04-1996
			ES 2096505 T3	01-03-1997
			JP 2650881 B2	10-09-1997
			JP 8127526 A	21-05-1996
			PL 310848 A1	15-04-1996
			RU 2128504 C1	10-04-1999
			US 5925364 A	20-07-1999
US 5055228	A	08-10-1991	FR 2485921 A1	08-01-1982
			FR 2490504 A1	26-03-1982
			BE 889451 A1	30-12-1981
			BE 889452 A1	30-12-1981
			CA 1168158 A1	29-05-1984
			CA 1166116 A1	24-04-1984
			CH 649915 A5	28-06-1985
			CH 643154 A5	30-05-1984
			DE 3125710 A1	25-03-1982
			DE 3125953 A1	28-01-1982

INTERNATIONAL SEARCH REPORT

Information on patent family members

GB2004/003387

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5055228	A	DE 3161962 D1	23-02-1984
		DE 43327 T1	05-01-1983
		EP 0043327 A1	06-01-1982
		GB 2078543 A ,B	13-01-1982
		GB 2079179 A ,B	20-01-1982
		IT 1144739 B	29-10-1986
		IT 1144740 B	29-10-1986
		JP 1585762 C	31-10-1990
		JP 2010803 B	09-03-1990
		JP 57077613 A	15-05-1982
		JP 1482415 C	27-02-1989
		JP 57094326 A	11-06-1982
		JP 63033414 B	05-07-1988
		US 5439672 A	08-08-1995
		US 5489426 A	06-02-1996
		US 5154854 A	13-10-1992
GB 1539625	A	31-01-1979	
		FR 2315991 A1	28-01-1977
		AT 361896 B	10-04-1981
		AT 313379 A	15-09-1980
		AT 361893 B	10-04-1981
		AT 470376 A	15-09-1980
		AU 505843 B2	06-12-1979
		AU 1539376 A	05-01-1978
		BE 843300 A1	23-12-1976
		BR 7604270 A	05-04-1977
		CA 1063908 A1	09-10-1979
		CH 623236 A5	29-05-1981
		CH 616087 A5	14-03-1980
		DE 2629100 A1	20-01-1977
		DE 2660069 C2	13-09-1990
		DE 2661108 C2	16-12-1993
		DK 168686 A	14-04-1986
		DK 291376 A ,B,	31-12-1976
		ES 449312 A1	16-08-1977
		FR 2408387 A2	08-06-1979
		IT 1062389 B	10-10-1984
		JP 1393036 C	11-08-1987
		JP 56108528 A	28-08-1981
		JP 61056016 B	01-12-1986
		JP 1175162 C	28-10-1983
		JP 52006375 A	18-01-1977
		JP 58008287 B	15-02-1983
		NL 7607210 A ,C	03-01-1977
		NL 8102794 A ,B,	02-11-1981
		US 4772471 A	20-09-1988
		US 4897308 A	30-01-1990
		US 5021200 A	04-06-1991